



INTELLECTUAL PROPERTY DEPARTMENT  
HUNTON & WILLIAMS LLP  
1900 K STREET, N.W.  
WASHINGTON, D.C. 20006-1109

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File No. 58779.000036



December 1, 2003

### UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket Number: **58779.000036**

First Named Inventor: **Christian HAMON**

Title: **CATALYST BASED ON FERRIERITE/IRON FOR CATALYTIC REDUCTION  
OF NITROUS OXIDE CONTENT IN GASES, METHOD FOR OBTAINING  
SAME AND APPLICATION**

Customer No. **21967**

TO: **MAIL STOP PATENT APPLICATION**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached are the following for filing with the U.S. Patent and Trademark Office:

1. ☒ Fee Transmittal Form (original and duplicate)
2. ☐ Small Entity Status Claimed: ☐ Independent Inventor  
☐ Small Business Concern  
☐ Statement Enclosed ☐ Non-Profit Organization
- ☐ Statement Filed in Prior Application; Status Still Proper and Desired
3. ☒ Specification - Total Pages: 17 (Including Abstract)



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CLAIMS AS FILED						
	Claims Filed	Basic Fee Claims	Extra	Rate		Amount
				Large Entity	Small Entity	
Total Claims	24	20	4	\$ 18.00	\$ 9.00	\$ 72.00
Independent Claims	1	3	0	\$ 86.00	\$ 43.00	\$ 0.00
First Presentation of Multiple Dependent Claims				\$ 290.00	\$ 145.00	\$ .00
<b>BASIC FEE</b>				\$ 770.00	\$ 385.00	\$ 770.00
<b>TOTAL FILING FEE</b>						\$842.00
Assignment Recordation Fee						\$ .00
<b>TOTAL AMOUNT</b>						<b>\$842.00</b>

4. ☐ Drawings - Total Sheets: \_\_\_\_\_ (Fig(s). \_\_\_\_\_)
5. Oath or Declaration - Total Pages: 3
- a. ☐ Newly executed (original or copy)  
☐ New (unexecuted)
- b. ☒ Copy from a prior application  
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(s):  
Signed statement attached deleting inventor(s) named in prior application.
6. ☐ Application Data Sheet
7. ☐ CD-ROM or CD-R in duplicate, large table or Microfiche Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (two copies); or



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Page 3

- ii. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statements verifying identity of above copies
9. ☒ Assignee/Applicant: \_\_\_\_\_  
☐ Assignment and Assignment Recordation Form Submitted Herewith
- ☒ Assignee of Record in Prior Application No. 09/582,622 :  
GRANDE-PAROISSE S.A., 4/8 Cours Michelet, F-92800 Puteaux, France  
and INSTITUT REGIONAL DES MATERIAUX AVANCES (IRMA),  
Parc Technologique de la Soye-B.P. 64, F-56274 Ploemeur Cedex, France  
recorded on 03/05/2001 at Reel 011888, Frame 0912.
10. ☐ 37 C.F.R. 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement with PTO-1449 and References  
☐ Copies of Information Disclosure Statement Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard
15. ☒ Priority is Claimed as Follows:  
Divisional of US 09/582,622 filed June 20, 2000 which was a 371 of  
PCT/FR98/02747 filed December 16, 1998 which claimed priority to  
FR97/16803 filed on December 31, 1997
- ☐ Claim Benefit of the Following U.S. Provisional Application No(s):  
\_\_\_\_\_  
\_\_\_\_\_
- ☐ If Foreign Priority is Claimed, Certified Copy of the Above Priority Document(s) is Submitted Herewith
16. ☐ Nonpublication Request under 35 U.S.C. § 122(b)(2)(B)(i). Applicant must attach Form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

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18. ☐ Continuation ☒ Divisional ☐ Continuation-in-Part of  
Prior Application No.: 09/582,622 filed June 20, 2000

Prior application information: Examiner Edward F. Johnson Group Art Unit  
1754

- ☐ Incorporation By Reference (useable if Box 5b is marked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application papers.

- ☐ Complete Application Based on Provisional Application No.: \_\_\_\_\_  
filed \_\_\_\_\_

19. Please address all correspondence to:

- ☒ CUSTOMER NUMBER **21967**

Intellectual Property Department  
Hunton & Williams LLP  
1900 K Street, N.W.  
Suite 1200  
Washington, DC 20006-1109

20. ☒ A new power of attorney or authorization of agent (PTO/SB/81) is as follows:

- ☒ The power of attorney is to: Stanislaus Aksman, Reg. No. 28,562; Jennifer A. Albert, Reg. No. 32,012; Thomas E. Anderson, Reg. No. 37,063; David E. Baker, Reg. No. 42,285; Scott D. Balderston, Reg. No. 35,436; Carl L. Benson, Reg. No. 38,378; Thomas Blasey, Reg. No. 33,475; Bradford Blaise, Reg. No. 47,429; Thomas D. Bradshaw, Reg. No. 51,492; J. Robert Brown, Jr., Reg. No. 45,438; Tyler S. Brown, Reg. No. 36,465; Brian M. Buroker, Reg. No. 39,125; Christopher C. Campbell, Reg. No. 37,291; Katherine S. Chang, Reg. No. 40,544; Robin C. Clark, Reg. No. 40,956; Trevor Q. Coddington, Reg. No. 46,633; Christopher J. Cuneo, Reg. No. 42,450; Ryan S. Davidson, Reg. No.

ATLANTA AUSTIN BANGKOK BRUSSELS CHARLOTTE DALLAS HONG KONG KNOXVILLE  
LONDON MCLEAN MIAMI NEW YORK NORFOLK RALEIGH RICHMOND SINGAPORE WASHINGTON  
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51,596; Patrick A. Doody, Reg. No. 35,022; Dinnatia J. Doster, Reg. No. 45,268; Kevin T. Duncan, Reg. No. 41,495; Kevin J. Dunleavy, Reg. No. 32,024; David D'Zurilla, Reg. No. 36,776; Ozzie A. Farres, Reg. No. 43,606; Nancy J. Flint, Reg. No. 46,704; Christopher J. Forstner, Reg. No. 46,049; James G. Gatto, Reg. No. 32,694; George Georgellis, Reg. No. 43,632; Charles F. Hollis, III, Reg. No. 40,650; David M. Huntley, Reg. No. 40,309; Nancy J. Jensen, Reg. No. 45,913; David A. Kelly, Reg. No. 53,106; Herbert V. Kerner, Reg. No. 42,721; Steven P. Klocinski, Reg. No. 39,251; Robert C. Lampe, III, Reg. No. 51,914; Jeffrey S. Leaning, Reg. No. 51,184; Jonathan D. Link, Reg. No. 41,548; Charles B. Lobsenz, Reg. No. 37,857; Ryan S. Loveless, Reg. No. 51,970; Tyler Maddry, Reg. No. 40,074; J. Michael Martinez, Reg. No. 37,178; David H. Milligan, Reg. No. 42,893; James R. Miner, Reg. No. 40,444; Bryan F. Moore, Reg. No. 52,044; Devin S. Morgan, Reg. No. 45,562; Kerry H. Owens, Reg. No. 37,412; Jeffrey T. Perez, Reg. No. 52,110; Michael P.F. Phelps, Reg. No. 48,654; John P. Pinkerton, Reg. No. 28,746; Laurence H. Posorske, Reg. No. 34,698; Matthew J. Pryor, Reg. No. 45,278; Andrew J. Ririe, Reg. No. 45,597; Stephen T. Schreiner, Reg. No. 43,097; Robert M. Schulman, Reg. No. 31,196; Thomas J. Scott, Jr., Reg. No. 27,836; Yisun Song, Reg. No. 44,487; Shelley L. Spalding, Reg. No. 51,971; Henry C. Su, Reg. No. 37,738; Rodger L. Tate, Reg. No. 27,399; Raphael A. Valencia, Reg. No. 43,216; René Vazquez, Reg. No. 38,647; Samson Vermont, Reg. No. 42,202; Robert J. Ward, Reg. No. 28,746; and Scott F. Yarnell, Reg. No. 45,245.

☒ Please remove as power of attorney: Scott D. Balderston, Reg. No. 35,436; Thomas Blasey, Reg. No. 33,475; Bradford Blaise, Reg. No. 47,429; J. Robert Brown, Jr., Reg. No. 45,438; Tyler S. Brown, Reg. No. 36,465; Dinnatia J. Doster, Reg. No. 45,268; Kevin J. Dunleavy, Reg. No. 32,024; David D'Zurilla, Reg. No. 36,776; James G. Gatto, Reg. No. 32,694; George Georgellis, Reg. No. 43,632; David M. Huntley, Reg. No. 40,309; Steven P. Klocinski, Reg. No. 39,251; Jonathan D. Link, Reg. No. 41,548; Charles B. Lobsenz, Reg. No. 37,857; Devin S. Morgan, Reg. No. 45,562; Kerry H. Owens, Reg. No. 37,412; Matthew J. Pryor, Reg. No. 45,278; Stuart I. Smith, Reg. No. 42,159; Henry C. Su, Reg. No. 37,738; Raphael A. Valencia, Reg. No. 43,216; and René Vazquez, Reg. No. 38,647.

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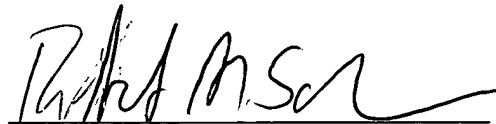
Page 6

Clark, Reg. No. 40,956; Trevor Q. Coddington, Reg. No. 46,633; Christopher J. Cuneo, Reg. No. 42,450; Ryan S. Davidson, Reg. No. 51,596; Patrick A. Doody, Reg. No. 35,022; Kevin T. Duncan, Reg. No. 41,495; Ozzie A. Farres, Reg. No. 43,606; Nancy J. Flint, Reg. No. 46,704; Christopher J. Forstner, Reg. No. 46,049; Charles F. Hollis, III, Reg. No. 40,650; Nancy J. Jensen, Reg. No. 45,913; David A. Kelly, Reg. No. 53,106; Herbert V. Kerner, Reg. No. 42,721; Robert C. Lampe, III, Reg. No. 51,914; Jeffrey S. Leaning, Reg. No. 51,184; Ryan S. Loveless, Reg. No. 51,970; Tyler Maddry, Reg. No. 40,074; J. Michael Martinez, Reg. No. 37,178; David H. Milligan, Reg. No. 42,893; James R. Miner, Reg. No. 40,444; Bryan F. Moore, Reg. No. 52,044; Jeffrey T. Perez, Reg. No. 52,110; Michael P.F. Phelps, Reg. No. 48,654; John P. Pinkerton, Reg. No. 28,746; Laurence H. Posorske, Reg. No. 34,698; Andrew J. Ririe, Reg. No. 45,597; Stephen T. Schreiner, Reg. No. 43,097; Robert M. Schulman, Reg. No. 31,196; Thomas J. Scott, Jr., Reg. No. 27,836; Yisun Song, Reg. No. 44,487; Shelley L. Spalding, Reg. No. 51,971; Rodger L. Tate, Reg. No. 27,399; Samson Vermont, Reg. No. 42,202; Robert J. Ward, Reg. No. 28,746; and Scott F. Yarnell, Reg. No. 45,245.

21. ☒ A check in the amount of \$ 842.00 is enclosed. In the event any variance exists between the amount enclosed and the Patent Office charges, please charge or credit any such variance to **Deposit Account No. 50-0206**.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge any variance between the amount enclosed and the Patent Office charges to **Deposit Account No. 50-0206**.

Respectfully submitted,

By:



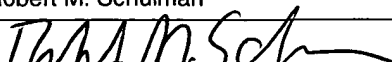
Robert M. Schulman

Registration No. 31,196

Jeffrey T. Perez

Registration No. 52, 110

JTP/jp  
Enclosures

<b>FEE TRANSMITTAL</b>  <b>MAIL STOP Patent Application</b>		Complete If Known																																							
		Application No.		To be Assigned																																					
		Filing Date		December 1, 2003																																					
		First Named Inventor		Christian HAMON																																					
		Examiner Name		To Be Assigned																																					
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METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																					
1. <input checked="" type="checkbox"/> The Commissioner for Patents is hereby authorized to charge indicated fees and credit any over payments to <b>Deposit Account No. 50-0206</b> in the name of Hunton & Williams LLP.				3. <b>ADDITIONAL FEES</b>																																					
				<table border="0" style="width: 100%;"> <tr> <td style="width: 80%;">Fee Description</td> <td style="width: 20%; text-align: right;">Fee Paid</td> </tr> <tr> <td><input type="checkbox"/> Surcharge - late filing fee or oath</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> _____ Month Extension of Time</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Notice of Appeal</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Filing Brief in Support of Appeal</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Request for Oral Hearing</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Utility Issue Fee (or Reissue) (including Publication Fee, if necessary)</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Design Issue Fee</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Plant Issue Fee</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petition to Commissioner</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petition to Revive (Unavoidable)</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petition to Revive (Unintentional)</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Petitions Related to Provisional Applications</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Submission of Information Disclosure Statement</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Filing Submission After Final Rejection</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Recording Each Patent Assignment Per Property</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Filing Request for Reexamination</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><input type="checkbox"/> Other (specify) _____</td> <td style="text-align: right;">\$</td> </tr> </table>				Fee Description	Fee Paid	<input type="checkbox"/> Surcharge - late filing fee or oath	\$	<input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet	\$	<input type="checkbox"/> _____ Month Extension of Time	\$	<input type="checkbox"/> Notice of Appeal	\$	<input type="checkbox"/> Filing Brief in Support of Appeal	\$	<input type="checkbox"/> Request for Oral Hearing	\$	<input type="checkbox"/> Utility Issue Fee (or Reissue) (including Publication Fee, if necessary)	\$	<input type="checkbox"/> Design Issue Fee	\$	<input type="checkbox"/> Plant Issue Fee	\$	<input type="checkbox"/> Petition to Commissioner	\$	<input type="checkbox"/> Petition to Revive (Unavoidable)	\$	<input type="checkbox"/> Petition to Revive (Unintentional)	\$	<input type="checkbox"/> Petitions Related to Provisional Applications	\$	<input type="checkbox"/> Submission of Information Disclosure Statement	\$	<input type="checkbox"/> Filing Submission After Final Rejection	\$	<input type="checkbox"/> Recording Each Patent Assignment Per Property	\$
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SUBMITTED BY						Complete (if applicable)																																			
Typed or Printed Name		Robert M. Schulman			Registration No.		31,196																																		
Signature					Date		December 1, 2003																																		